

GIT COMMANDS

- Using “mkdir” command to use create folder using Git clone link copy to git hub account to clone on gitbash.

```
MINGW64~/Users/hariharan/Downloads/giteve6/haridevops
hariharan@LAPTOP-3KJ9PR78 MINGW64 ~
$ cd

hariharan@LAPTOP-3KJ9PR78 MINGW64 ~
$ Downloads
bash: Downloads: command not found

hariharan@LAPTOP-3KJ9PR78 MINGW64 ~
$ cd Downloads

hariharan@LAPTOP-3KJ9PR78 MINGW64 ~/Downloads
$ mkdir giteve6

hariharan@LAPTOP-3KJ9PR78 MINGW64 ~/Downloads
$ cd giteve6

hariharan@LAPTOP-3KJ9PR78 MINGW64 ~/Downloads/giteve6
$ ls

hariharan@LAPTOP-3KJ9PR78 MINGW64 ~/Downloads/giteve6
$ git clone https://github.com/hariharan1899-lgtm/haridevops.git
Cloning into 'haridevops'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.

hariharan@LAPTOP-3KJ9PR78 MINGW64 ~/Downloads/giteve6
$ ls -lrt
total 0
drwxr-xr-x 1 hariharan 197121 0 Jan  2 18:29 haridevops/

hariharan@LAPTOP-3KJ9PR78 MINGW64 ~/Downloads/giteve6
$ cd haridevops/

hariharan@LAPTOP-3KJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ ls -lrt
total 1
-rw-r--r-- 1 hariharan 197121 12 Jan  2 18:29 README.md
```

- Using “vi file.txt” commands to use edit inside the file “git add file.txt” command to add file in git hub “git status” command to check status.

```
MINGW64~/Users/hariharan/Downloads/giteve6/haridevops
hariharan@LAPTOP-3KJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ ls -la
total 5
drwxr-xr-x 1 hariharan 197121 0 Jan  2 18:29 ./
drwxr-xr-x 1 hariharan 197121 0 Jan  2 18:29 ../
drwxr-xr-x 1 hariharan 197121 0 Jan  2 18:29 .git/
-rw-r--r-- 1 hariharan 197121 12 Jan  2 18:29 README.md

hariharan@LAPTOP-3KJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ vi file.txt

hariharan@LAPTOP-3KJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ ls
README.md  file.txt

hariharan@LAPTOP-3KJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    file.txt

nothing added to commit but untracked files present (use "git add" to track)

hariharan@LAPTOP-3KJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

hariharan@LAPTOP-3KJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git commit -m "firstcommit"
Author identity unknown

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"
```

- Using “git config –global user.email <add email>” command and “git config –global user.name<add name>” command to sync an github “git commit -m “firstcommit”” comment to use commit messages to github.

```

MINGW64~/Users/hariharan/Downloads/giteve6/haridevops
$ git add file.txt
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git commit -m "firstcommit"
Author identity unknown

*** Please tell me who you are.

Run

    git config --global user.email "you@example.com"
    git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'hariharan@LAPTOP-JKJ9PR78.(none)')

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git config --global user.email
hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git config --global user.email "hharan1899@gmail.com"
hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git config --global user.name "Hariharan"
hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git commit -m
error: switch 'm' requires a value

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git commit -m "firstcommit"
[main 015e4ec] firstcommit
1 file changed, 1 insertion(+)
create mode 100644 file.txt

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git status
On branch main

```

- Using “git status” command to check status “git push origin main” command to push file to git hub.

```

MINGW64~/Users/hariharan/Downloads/giteve6/haridevops

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use 'git push' to publish your local commits)

nothing to commit, working tree clean

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git push origin main
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git push origin main
info: please complete authentication in your browser...

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git push origin main
remote: Permission to hharan1899-lgtm/haridevops.git denied to hharan1899-lgtm.
fatal: unable to access 'https://github.com/hharan1899-lgtm/haridevops.git/': The requested URL returned error: 403

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$
hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$
hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$
hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git push origin main
info: please complete authentication in your browser...
Enumerating objects: 4, done.

```

- Using “touch” command to create multiple file “git status -s” command to track status on short line “git add .” command to add the file.

```
MINGW64~/Users/hariharan/Downloads/giteve6/haridevops
hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ touch file4 file5 file6

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git status -s
?? file4
?? file5
?? file6

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git add .

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git status -s
A file4
A file5
A file6

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git commit -m "Fourthcommit"
[main 4db9c5f] fourthcommit
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file4
create mode 100644 file5
create mode 100644 file6

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git status -s

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 358 bytes | 179.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/hharan1899-1gtm/haridevops.git
   cd6293f..4db9c5f  main -> main

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
```

- Using “git log –oneline” command to history of push to their github.

```
MINGW64~/Users/hariharan/Downloads/giteve6/haridevops
hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git log --oneline
4db9c5f (HEAD -> main, origin/main, origin/HEAD) fourthcommit
cd6293f thirdcommit
b5588aa seconcommit
015e4ec firstcommit
2221d3c Initial commit

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ nano file.txt

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   file.txt

no changes added to commit (use "git add" and/or "git commit -a")

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git commit -am "fifthcommit"
warning: in the working copy of 'file.txt', LF will be replaced by CRLF the next time Git touches it
[main a79ae6a] fifthcommit
1 file changed, 1 insertion(+)

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 285 bytes | 142.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/hharan1899-1gtm/haridevops.git
   4db9c5f..a79ae6a  main -> main
```

- Using “git branch <add name>” command to use to add another sub branch “git branch” to check branch status “git checkout <name>” to switch their branch.

```
MINGW64~/Users/harharan/Downloads/giteve6/haridevops
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 285 bytes | 142.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/hharan1899-lgtm/haridevops.git
  4db9c5f..a79ae6a  main -> main

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git branch hari/newbranch

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git branch
  hari/newbranch
* main

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ git checkout hari/newbranch
Switched to branch 'hari/newbranch'

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (hari/newbranch)
$ git branch
* hari/newbranch
  main

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (hari/newbranch)
$ git add .

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (hari/newbranch)
$ nano file7

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (hari/newbranch)
$ git add .
warning: in the working copy of 'file7', LF will be replaced by CRLF the next time Git touches it

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (hari/newbranch)
$ git commit -m "fifthcommit"
[hari/newbranch f1262dc] fifthcommit
1 file changed, 2 insertions(+)
create mode 100644 file7
```

- Using “git log –oneline” command to check push in new branch “ls” to list files “git switch main” command to switch main branch.

```
MINGW64~/Users/harharan/Downloads/giteve6/haridevops
[hari/newbranch f1262dc] fifthcommit
1 file changed, 2 insertions(+)
create mode 100644 file7

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (hari/newbranch)
$ git push origin hari/newbranch
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 261 bytes | 261.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'hari/newbranch' on GitHub by visiting:
remote:   https://github.com/hharan1899-lgtm/haridevops/pull/new/hari/newbranch
remote:
To https://github.com/hharan1899-lgtm/haridevops.git
  * [new branch]   hari/newbranch -> hari/newbranch

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (hari/newbranch)
$ git log --oneline
f1262dc (HEAD -> hari/newbranch, origin/hari/newbranch) fifthcommit
a79ae6a (origin/main, origin/HEAD, main) fourthcommit
4db9c5f fourthcommit
cd6293f thirdcommit
b5588aa secondcommit
015e4ec firstcommit
2221d3c Initial commit

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (hari/newbranch)
$ ls
README.md file.txt file2 file3 file4 file5 file6 file7

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (hari/newbranch)
$ git switch main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)
$ cd history
```

- Using “history” command to show history of using git commands.

MINGW64/c:/Users/hariharan/Downloads/giteve6/haridevops

```
cd6293f thirdcommit
b5588aa seconcommit
015e4ec firstcommit
2221d3c Initial commit
```

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (hari/newbranch)

\$ ls

README.md file.txt file2 file3 file4 file5 file6 file7

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (hari/newbranch)

\$ git switch main

Switched to branch 'main'

Your branch is up to date with 'origin/main'.

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)

\$ cd history

bash: cd: history: No such file or directory

hariharan@LAPTOP-JKJ9PR78 MINGW64 ~/Downloads/giteve6/haridevops (main)

\$ history

```
1 cd Downloads
2 ssh -i "Hari.pem" ec2-user@ec2-16
3 cd
4 Downloads
5 cd Downloads
6 mkdir giteve6
7 cd giteve6
8 ls
9 git clone https://github.com/hharan1899-1gtm/haridevops.git
10 ls -lrt
11 cd haridevops/
12 ls -lrt
13 ls -la
14 vi file.txt
15 ls
16 git status
17 git add file.txt
18 git commit -m "firstcommit"
19 git config --global user.email
20 git config --global user.email "hharan1899@gmail.com"
21 git config --global user.name "Hariharan"
```